SWP Water Quality Summary

July 29 to August 5, 2009

Electrical Conductivity: Concentrations increased at all locations except Devil Canyon from July 29 to August 5, 2009. Concentrations ranged from 214 µS/cm to 425 µS/cm (128 mg/L to 255 mg/L), below the Article 19 Monthly Average Objective of 440 mg/L (733 µS/cm). As of August 5, 2009, daily average concentrations varied at all the locations, with the lowest and highest concentrations of 234 µS/cm and 419 µS/cm occurring at Barker Slough and Vallecitos, respectively. EC concentrations at Harvey O. Banks Pumping Plant (HBP) increased slightly from 352 µS/cm to 417 µS/cm, as of August 5, 2009.

Bromide: Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations. Bromide concentrations ranged from 0.06 mg/L to 0.21 mg/L. As of August 5, Barker Slough had the lowest concentration of 0.07 mg/L, followed by Check 41 with 0.08 mg/L while the highest concentration of 0.17 mg/L occurred at HBP and Vallecitos.

Turbidity: Turbidity levels decreased at all locations except Barker Slough as of August 5, 2009. Turbidity levels ranged from 1.0 NTU to 100.5 NTU this week. On August 5, 2009, the lowest level of 1.0 NTU occurred at Check 29 while the highest level of 100.5 NTU occurred at Barker Slough. As of August 5, 2009, the levels at HBP decreased from 10.9 NTU to 7.1 NTU.

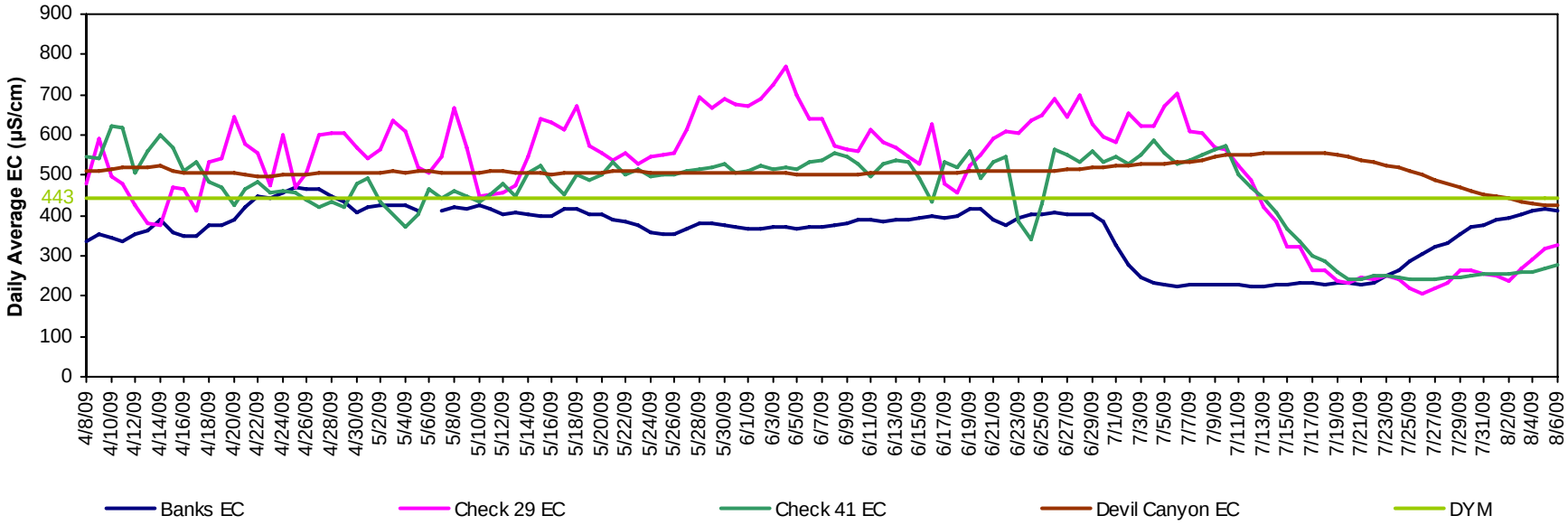
Dissolved Organic Carbon (DOC): Concentrations varied at most locations from July 29 to August 5, 2009. DOC concentrations increased from 1.9 mg/L to 2.3 mg/L at Edmonston while the concentration at HBP and Check 13 were unchanged at 2.2 mg/L.

Taste and Odor Compounds: Data is not available this week due to a malfunctioning instrument.

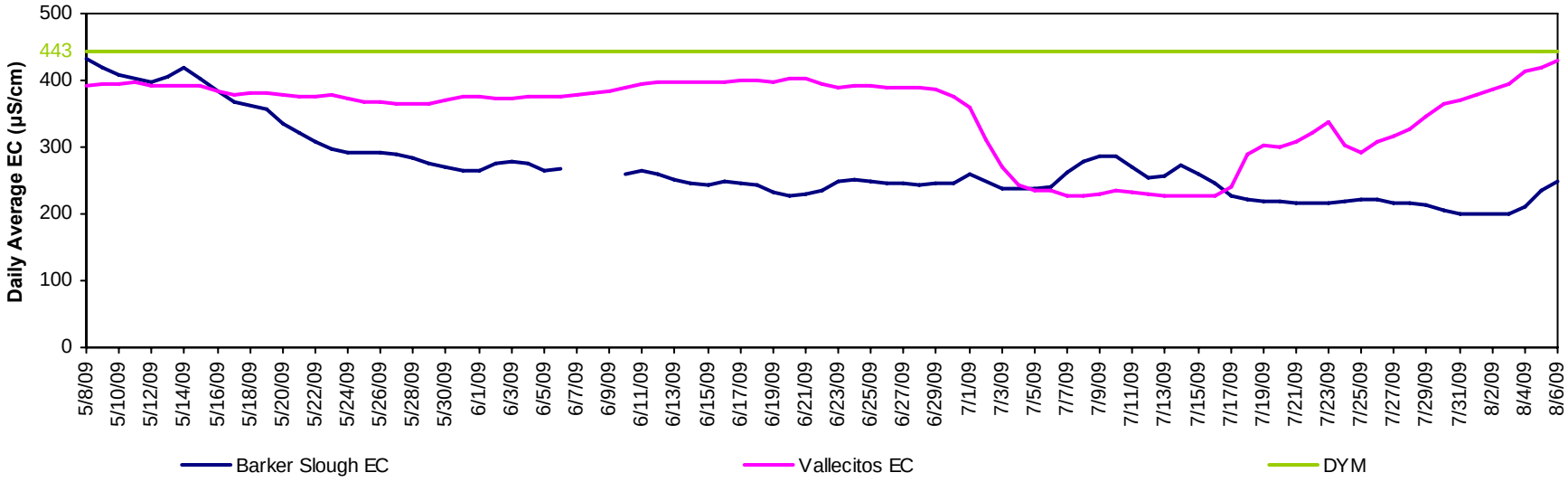
Ground water pump-ins to the California Aqueduct from Arvin Edison Water Storage District, Kern Water Bank Authority (who operate the Kern Water Bank Canal), Kern County Water Agency (who operate the Cross Valley Canal) Semitropic Storage District and Wheeler Ridge totaled 5,459 AF during July 29 to August 5, 2009.

The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientists and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213, or Austine Eke @ 916-653-7227. To view WQ data from the automated stations along the SWP, visit: http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation_map.cfm, and click on a station name on the map to link to the station's data on the California Data Exchange Center (CDEC) website.

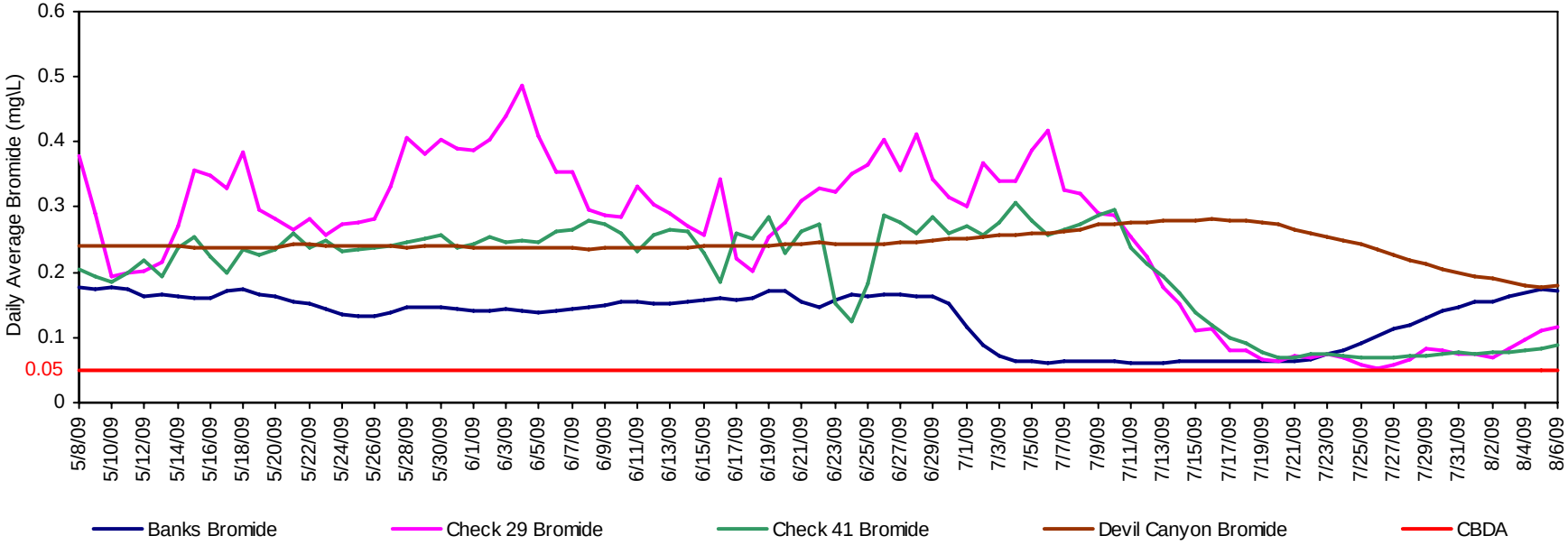
California Aqueduct - Electrical Conductivity



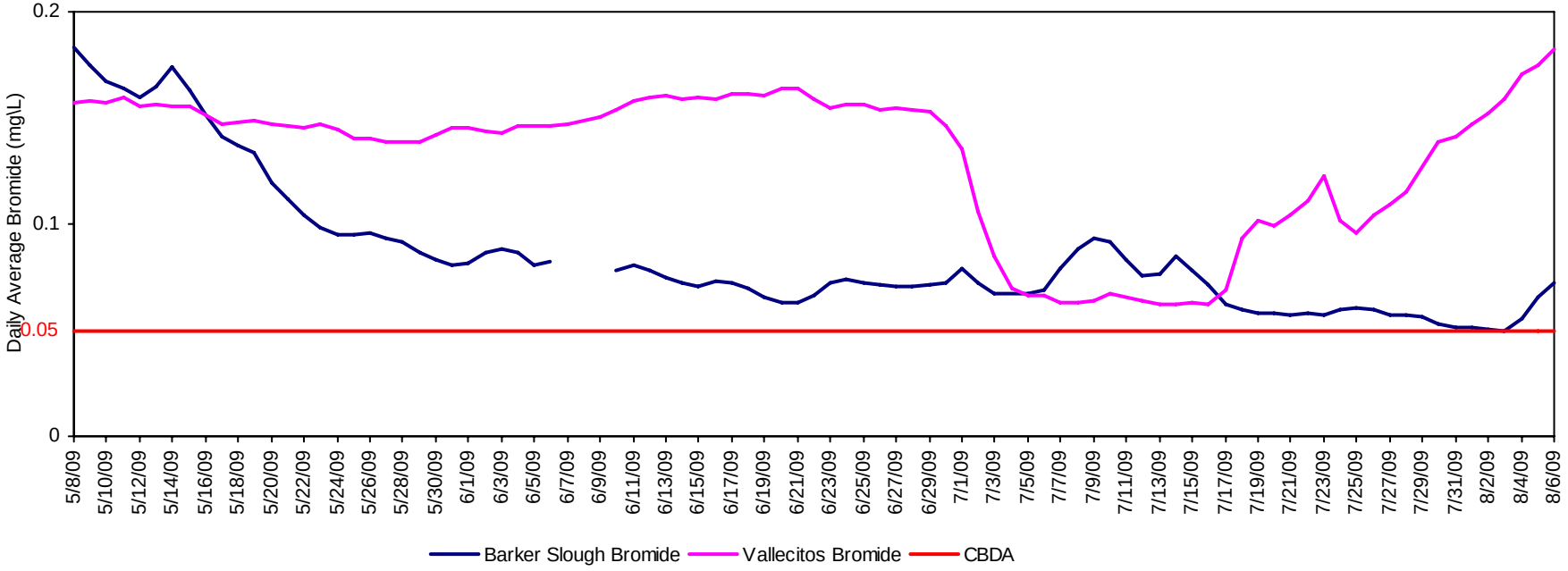
North and South Bay Aqueduct - Electrical Conductivity



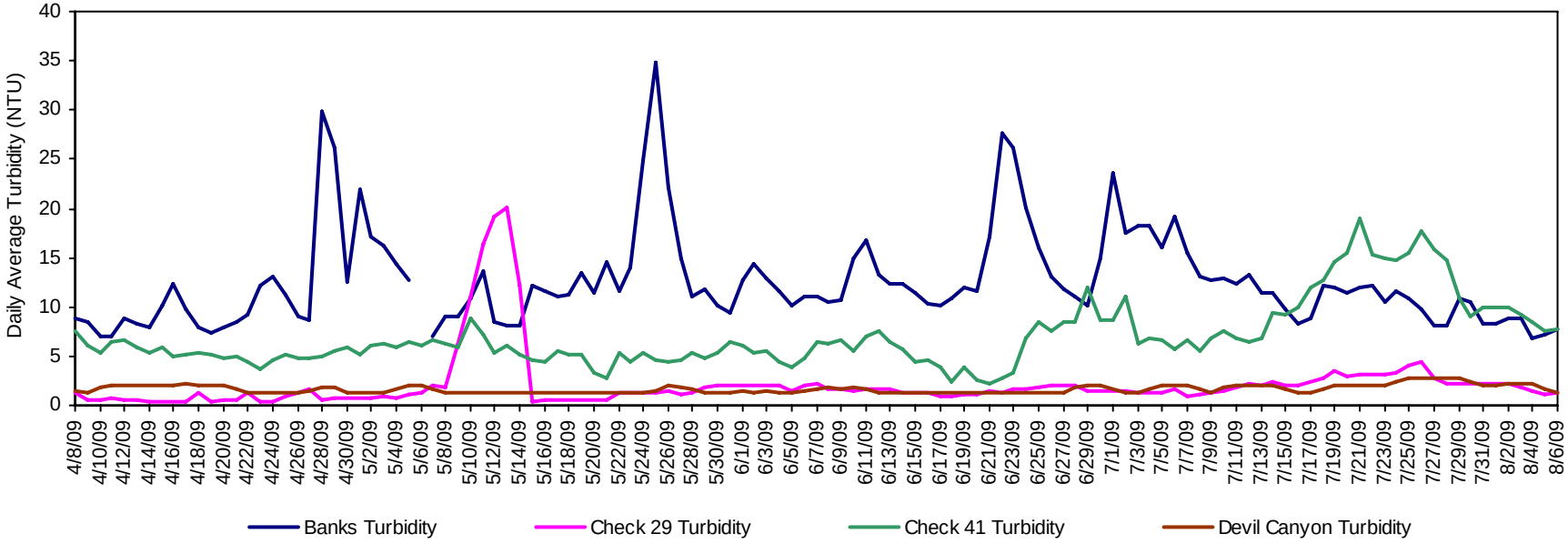
California Aqueduct - Calculated Bromide



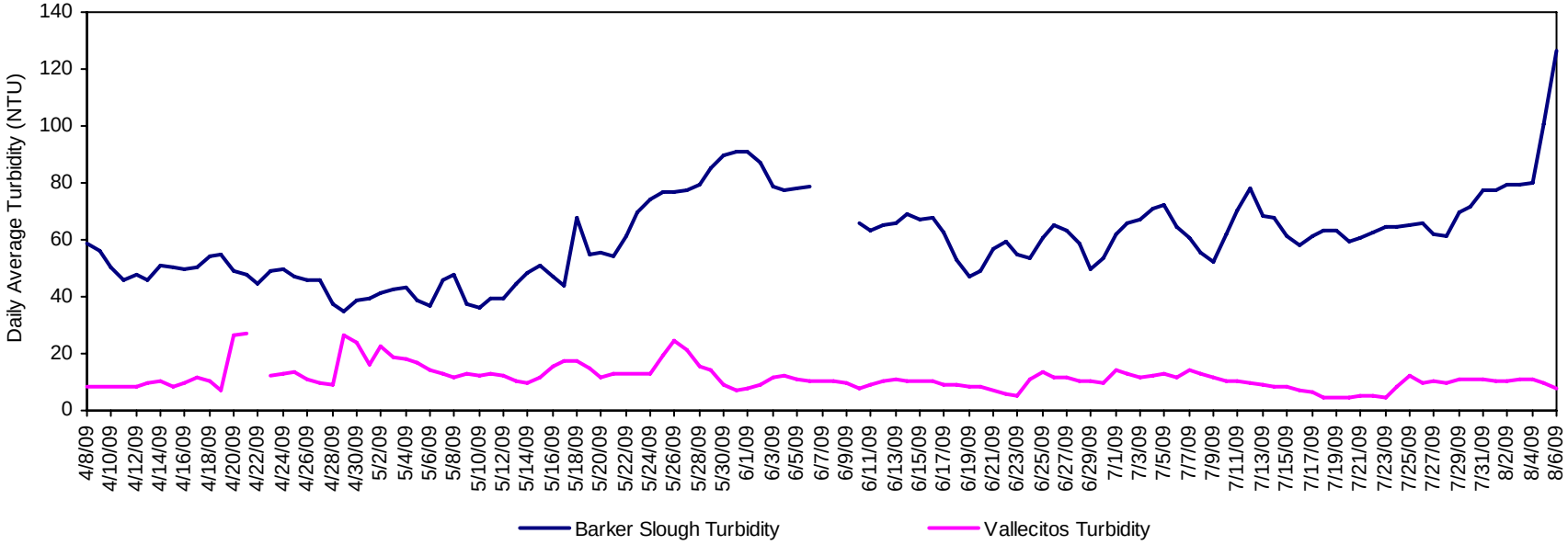
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct
Calculated Dissolved Organic Carbon